

CERTAIN NEW COMBINATIONS IN THE GENUS CHAMAESYCE SF GRAY

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The Linnean genus Euphorbia is held together by the unifying cyathial feature. Among the champions of the present-day, apart from a few, there is an increasing consensus to consider the cyathial character at the tribal level rather than generic. If so imposed, a number of quite natural genera would be segregated out of Euphorbia L. One such chosen 'charade' is the Chamaesyce S.F. Gray. The Chamaesyces of the Indian subcontinent can be defined and delimited by their herbaceous or subshrubaceous habit; aborted main axis; opposite, stipulate (interpetiolar), inequilateral (at the base), amphistomatic leaves bearing basic anisocytic stomata and ornamented veins (Kranz syndrome); cyathia with 4 glands (or 5th vestigial); and ecarunculate seeds, etc. This is in congruence with the data from different disciplines. The above unequivocal diagnosis militates against any identificatory problems for the recognition of Chamaesyces from Euphorbias prima facie. Therefore, Chamaesyce has been accepted as a distinct genus.

Proposing a new classification of the Euphorbiaceae, Webster (1975) reiterated the status of Chamaesyce as a distinct genus. Moreover, several of the Indian species (Euphorbia sect. Anisophyllum) were already changed to Chamaesyce by Croizat, Soják and Webster. In view of these and to facilitate expediency of our future studies, ten further indispensable new combinations under the genus Chamaesyce are made below:

CHAMAESYCE AURICULARIA (Boiss.) Raju et Rao, comb. nov.
Bas.: Euphorbia auricularia E. Boissier, Centuria Euphorbiarum 17, 1860; in DC. loc. cit. 50, 1862.

Chamaesyce heyneana (Spreng.) J. Soják
C. heyneana subsp. heyneana

CHAMAESYCE HEYNEANA subsp. GALIOIDES (Panigrahi) Raju et Rao, comb. nov. Bas.: Euphorbia heyneana subsp. galioides (Boiss.) G. Panigrahi, Kew Bulletin 29 (4): 697, 1974.

CHAMAESYCE HEYNEANA subsp. NILAGIRICA (Panigrahi) Raju et Rao, comb. nov. Bas.: Euphorbia heyneana subsp. nilagirica (Miq.) G. Panigrahi, Kew Bulletin 29 (4): 697, 1974.

CHAMAESYCE HISPIDA (Boiss.) Raju et Rao, comb. nov. Bas.: Euphorbia hispida E. Boissier, Centuria Euphorbiarum 8, 1860; in A.P. de Candolle, Prodromus systematis naturalis regni vegetabilis 15 (2): 27, 1862.

CHAMAESYCE LACINIATA (Panigrahi) Raju et Rao, comb. nov. Bas.: Euphorbia laciniata G. Panigrahi, Kew Bulletin 30 (3): 531, 1975.
C. LACINIATA subsp. LACINIATA

CHAMAESYCE LACINIATA subsp. BURMANICA (Panigrahi) Raju et Rao, comb. nov. Bas.: Euphorbia laciniata subsp. burmanica G. Panigrahi, Kew Bulletin 30 (3): 532, 1975.

Chamaesyce linearifolia (Roth) J. Sojak

C. linearifolia var. linearifolia

C. LINEARIFOLIA var. NALLAMALYANA (Ellis) Raju et Rao, comb. nov. Bas.: Euphorbia linearifolia (Roth) var. nallamalyana J.L. Ellis, Bulletin of the Botanical Survey of India 8: 345, 1966.

CHAMAESYCE LONGISTYLA (Boiss.) Raju et Rao, comb. nov. Bas.: Euphorbia longistyla E. Boissier, Centuria Euphorbiarum 9, 1860; in A.P. de Candolle, Prodromus systematis naturalis regni vegetabilis 15 (2): 20, 1862.

CHAMAESYCE SENGUPTAE (Bal. & Subr.) Raju et Rao, comb. nov. Bas.: Euphorbia senguptae N.P. Balakrishnan et K. Subramanyam, Bulletin of the Botanical Survey of India 2 (1&2): 175, 1960.

CHAMAESYCE WIGHTIANA (Hooker f.) Raju et Rao, comb. nov. Bas.: Euphorbia wightiana Hooker fil., The Flora of British India 5: 248, 1887.

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